

**Amendments to the Claims:**

The listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

**CLAIMS**

What is claimed is:

1. (Currently Amended) A method, comprising operating a control node of a communication network at a packet bandwidth corresponding to a best observed resonance point of a network performance metric from a plurality of resonance points, wherein the resonance points are determined by scanning across a range of control bandwidths until one or more of the network performance metrics is/are optimized. ~~determined according to observations of performance metrics of the network at the control point.~~
2. (Currently Amended) The method of claim 1 wherein the network performance metrics comprise one or more of throughput, average fetch time and packet loss.
- 3 – 4. (Canceled)
5. (Original) The method of claim 1 wherein the packet bandwidth is set by varying an inter-packet delay time over selected communication links at the control node.